

The block diagram illustrates the architecture of a digital copier system. The central component is the **SYSTEM CONTROLLER** (12), which is connected to several other modules:

- Memory and Control:** The **SYSTEM CONTROLLER** (12) is connected to **MEMORY** (22) via a bidirectional arrow, and to a **MEMORY CONTROLLER** (20) via a double-headed arrow. It also connects to an **LCD CONTROL PART** (24), which in turn controls an **LCD** (26).
- Input and Storage:** The **SYSTEM CONTROLLER** (12) is connected to an **SSFDC** (14) and an **SSFDC SLOT** (18). It also connects to an **EEPROM** (16).
- Printing and Paper Handling:** The **SYSTEM CONTROLLER** (12) is connected to a **PRINT CONTROLLER** (28), which manages the **HEAD DRIVING CIRCUIT** (30) and the **THERMAL HEAD** (36). It also controls the **PAPER FEED CONTROLLING PART** (32), which includes **CAPSTAN ROLLERS** (38) and an **HP SENSOR** (40).
- Fixation and Operation:** The **SYSTEM CONTROLLER** (12) is connected to a **FIXATION CONTROLLING PART** (34), which manages the **Y FIXATION FLUORESCENT LAMP** (42) and the **M FIXATION FLUORESCENT LAMP** (44). It also connects to an **OPERATION PART** (34).

F I G. 2

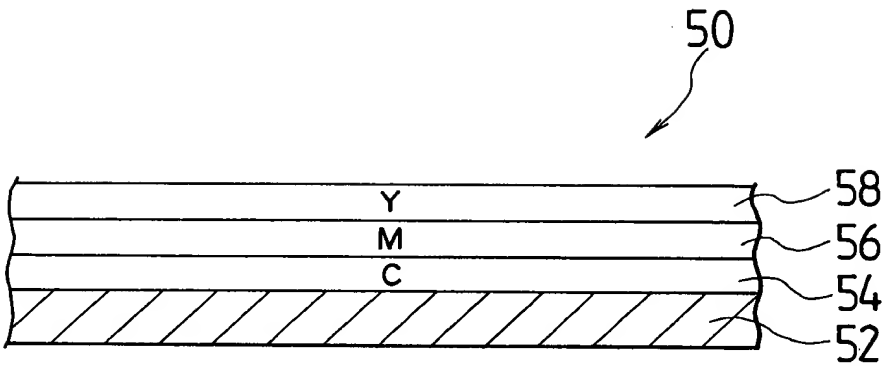
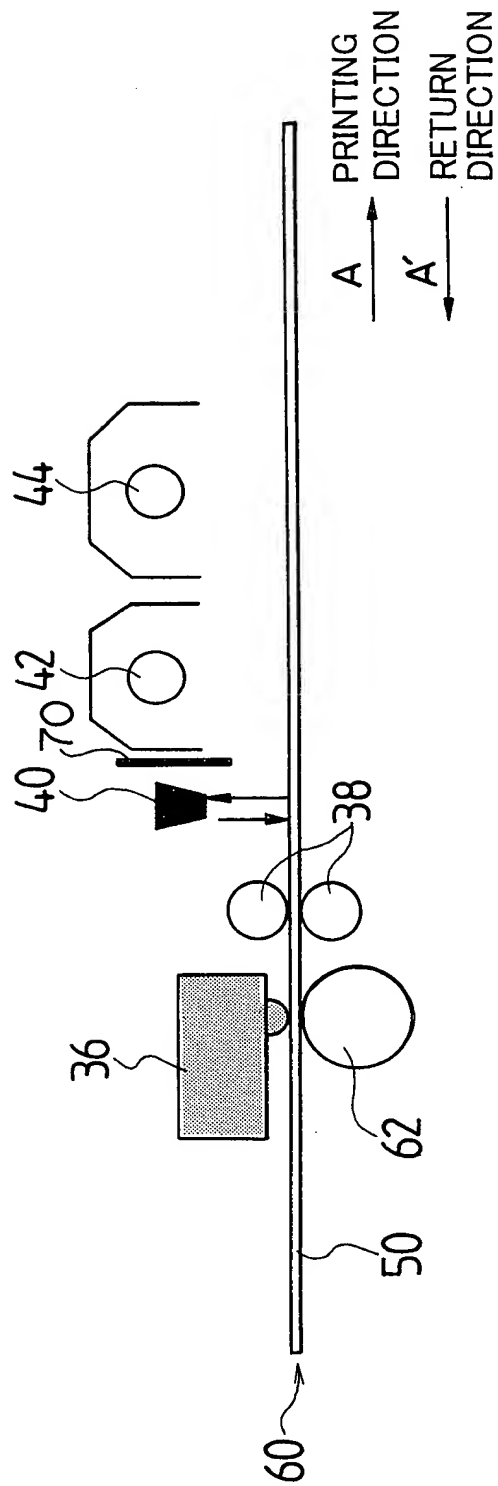
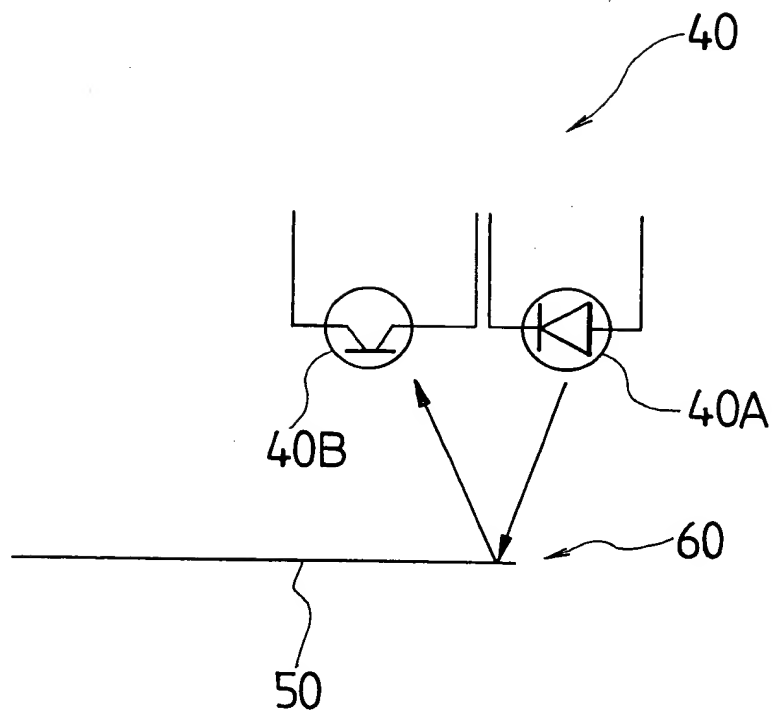


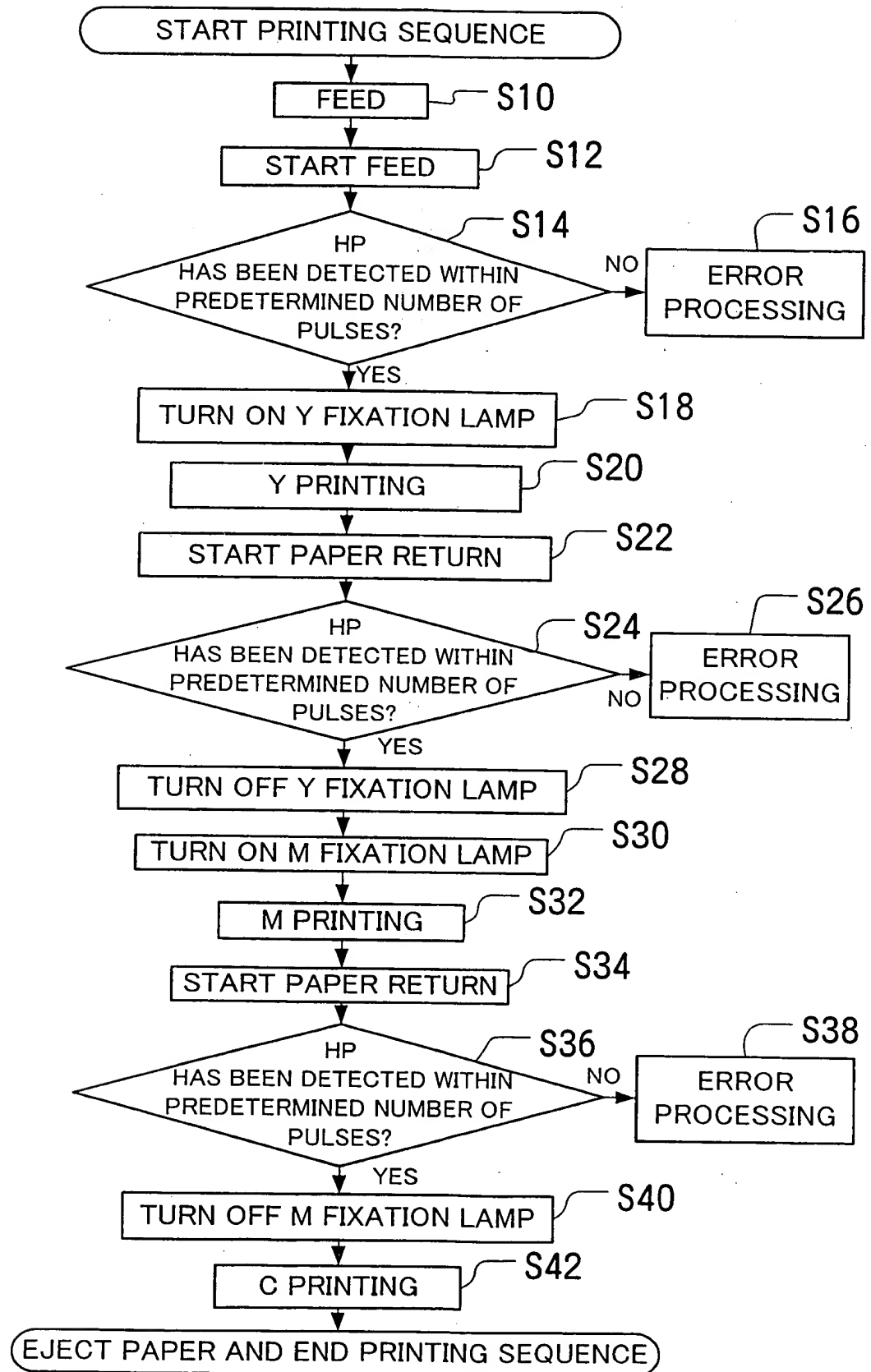
FIG. 3



F I G . 4



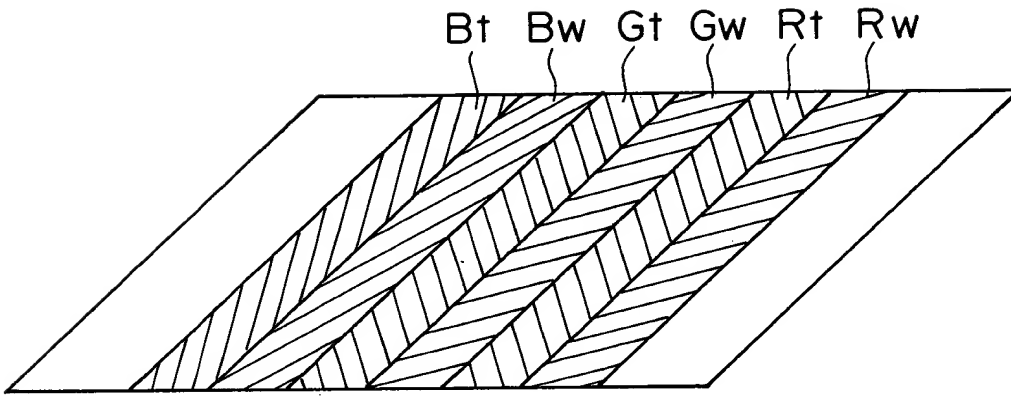
F I G. 5



09636661.081500

005180" T988E960

F I G. 6



TEST PATTERNS FOR SENSITIVITY CORRECTION

SPECTRAL REFLECTION FACTORS OF G COLOR

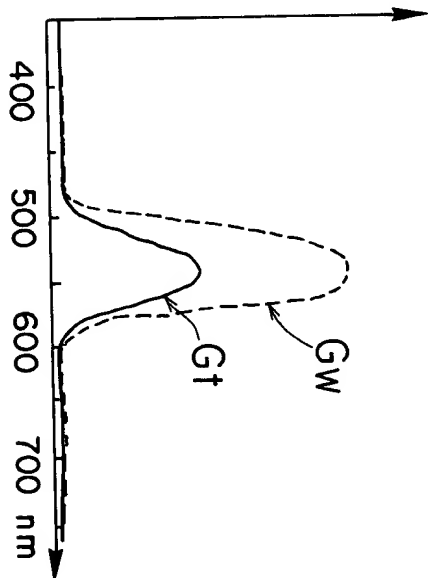


FIG. 7 (A)

EMMISSION SPECTRUM

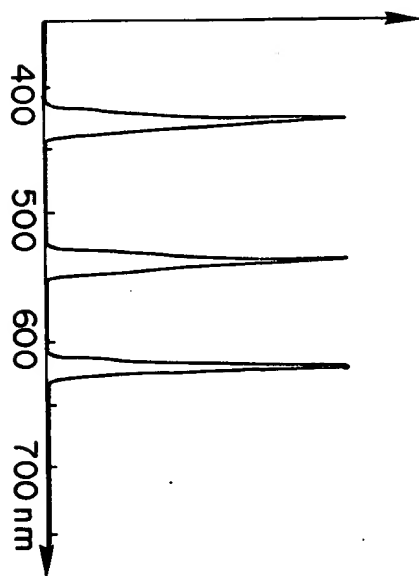


FIG. 7 (B)

SPECTRAL SENSITIVITY OF LIGHT-RECEIVING SENSOR

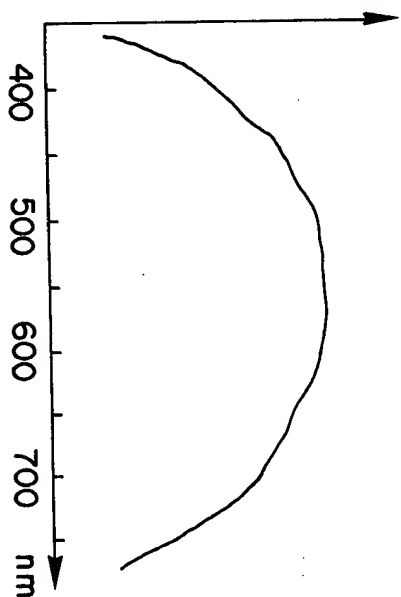


FIG. 7 (C)

RECEPTION SPECTRUMS OF SENSOR

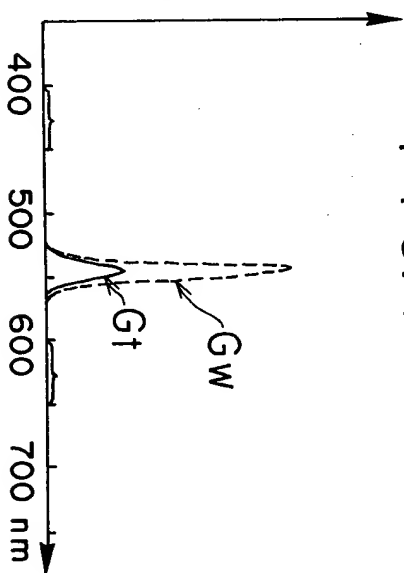
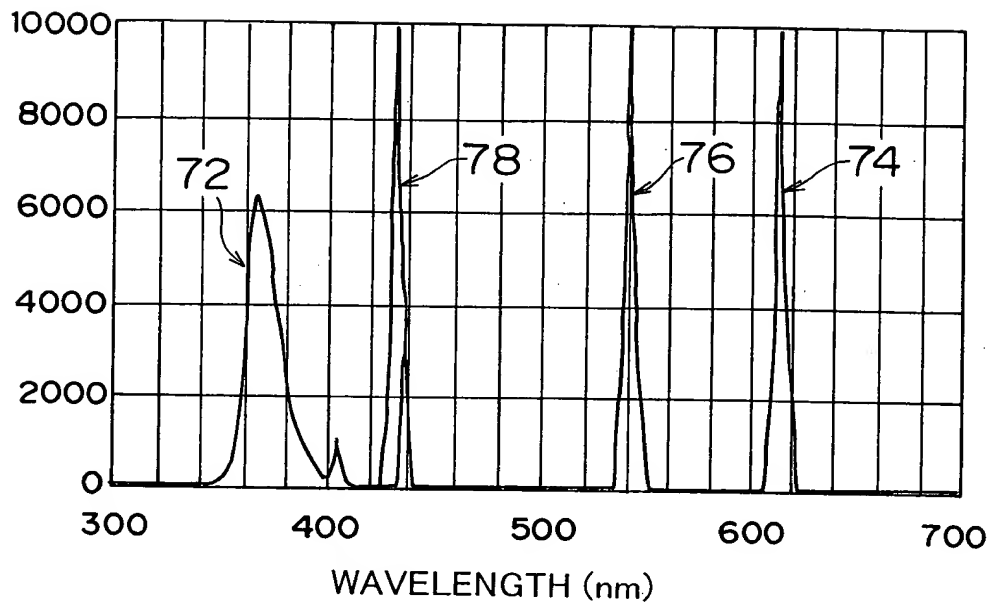


FIG. 7 (D)

005F80"7988E960

F I G . 8



F I G . 9

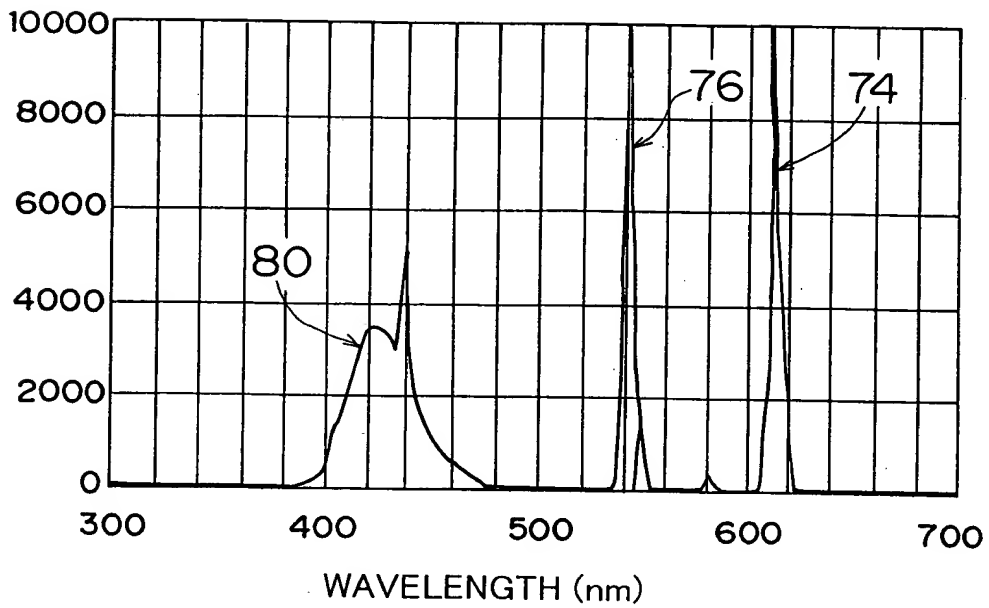
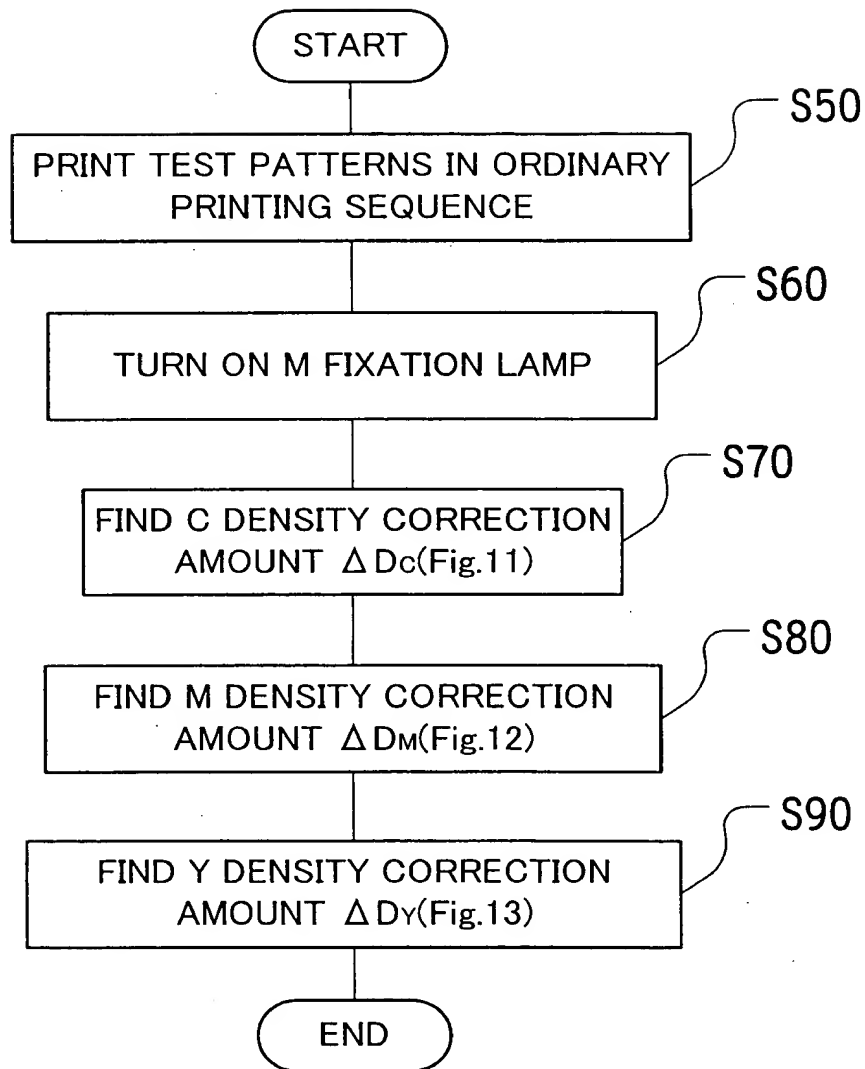
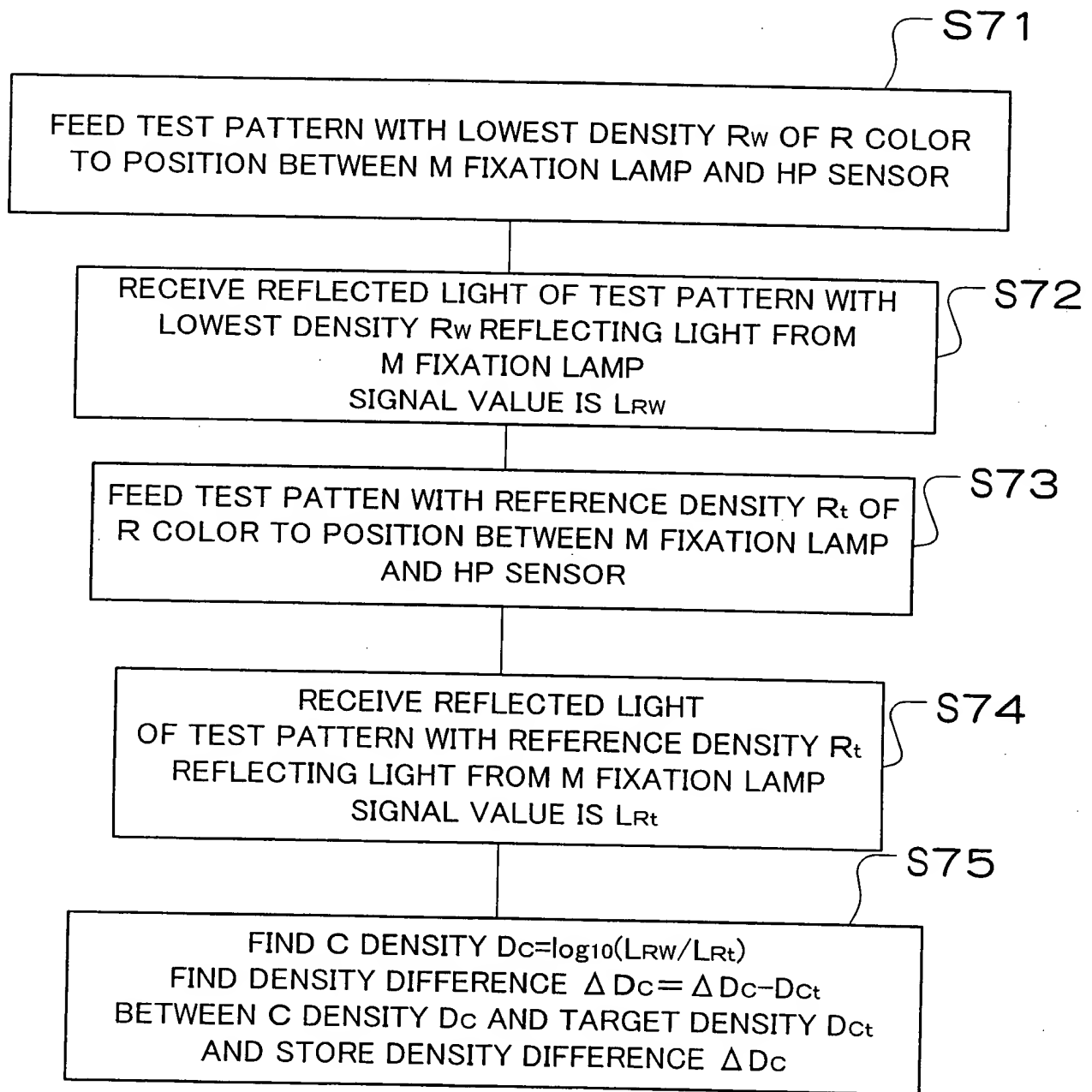


FIG. 10



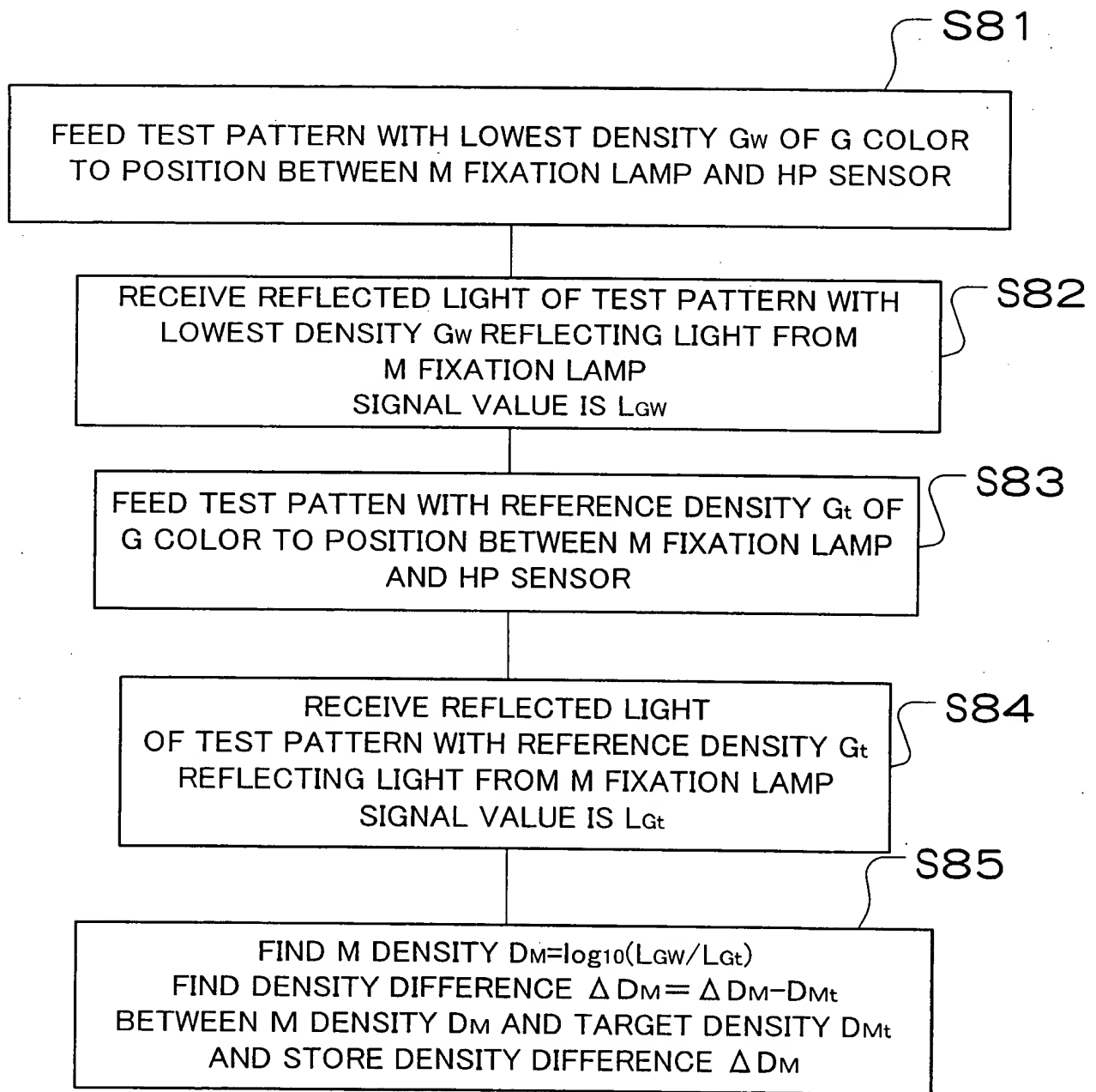
005120" T982C960

FIG. 11

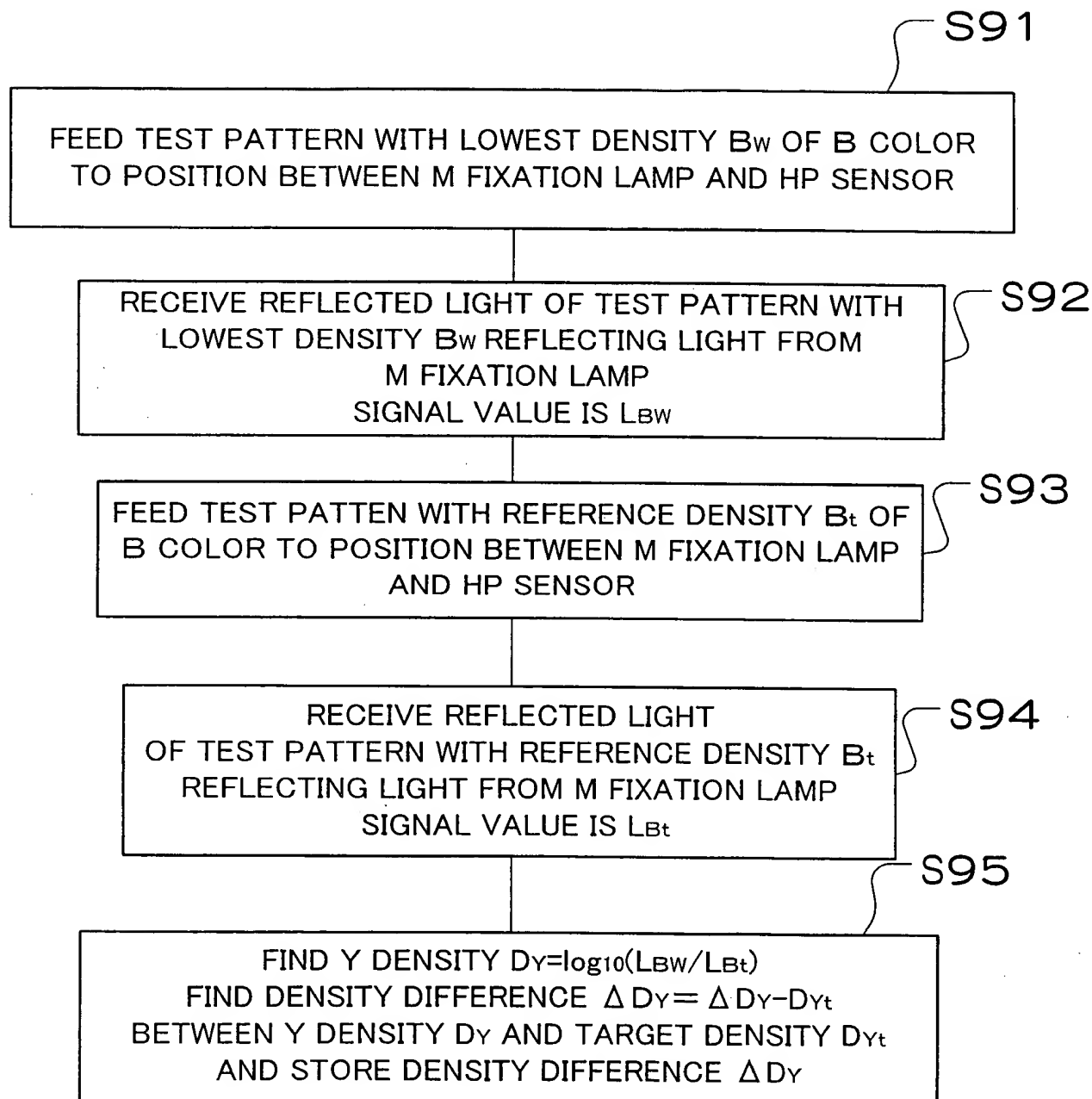


09638861.081500

F I G . 1 2



F I G . 1 3



SPECTRAL REFLECTION
FACTORS OF M COLOR

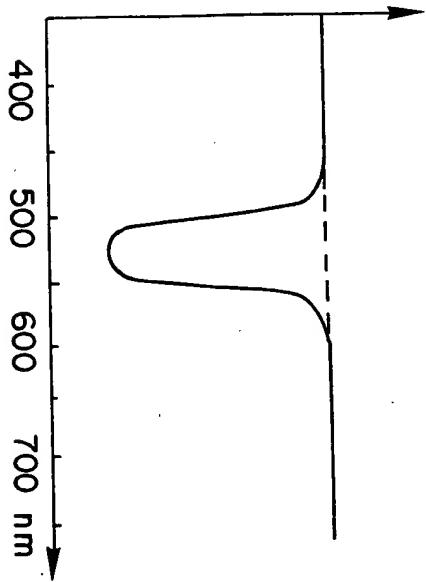


FIG. 14 (A)

SPECTRAL SENSITIVITY
OF LIGHT-RECEIVING SENSOR

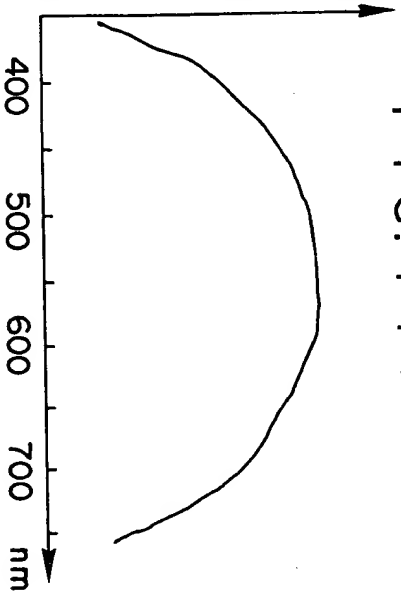


FIG. 14 (C)

EMMISION SPECTRUM

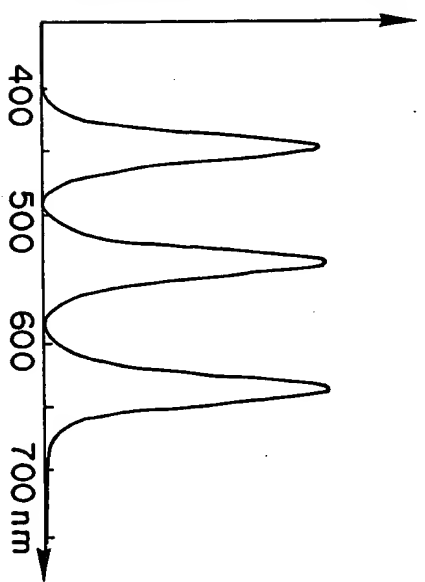


FIG. 14 (B)

RECEPTION SPECTRUMS
OF SENSOR

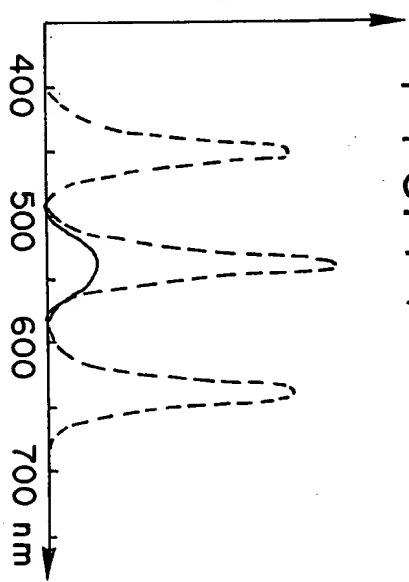


FIG. 14 (D)

PRIOR ART